

01/493,004

FILE 'USPATFULL' ENTERED AT 15:15:07 ON 15 MAY 2000

L1 125 S DETECT### (P) (FAD### (A) CHANNEL#)

L2 1 S DETERMIN### (P) (QUANTIZ? CORRECTION COMMAND#) (P)

(RECEIVED

L3 256 S DECOD### (P) QUANTIZ? SIGNAL#

L4 164 S ESTIMAT### (5W) (RMS OR ROOT MEAN SQUARE)

L5 7011 S DEMODULAT### (P) RECEIVED SIGNAL#

L6 1448 S ANALYZ### (P) RECEIVED SIGNAL#

L7 55 S QUANTIZ### (P) DEMODULATED SIGNAL#

L8 15 S QUANTIZ### (W) PROCESSOR#

L9 1043 S VITERBI DECODER# OR (LOOK(W)UP(W)TABLE DECODER#)

L10 1 S DETERMIN### (P) (DESIRED RMS FADE VALUE)

L11 525 S 714/746/NCL OR 714/759/NCL OR 714/795/NCL

L12 16561 S (375/?/NCL) OR L11

L13 1 S L1 (P) L3

L14 12 S L9 AND L1

L15 30 S L3 AND (L4 OR L5 OR L6 OR L7 OR L8 OR L9)

L16 16 S L15 AND L12

L17 1 S L1 AND L16

SAVE CHANNELFAD/L ALL

=> d 12 ibib ti

L2 ANSWER 1 OF 1 USPATFULL

ACCESSION NUMBER: 2000:41878 USPATFULL

TITLE: Method and device for quantizing the input to soft decoders

INVENTOR(S): Yellin, Daniel, Karmei Yosef, Israel

PATENT ASSIGNEE(S): DSPC Israel Ltd., Givat Shmuel, Israel (non-U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 6047035	20000404
APPLICATION INFO.:	US 1998-103683	19980615 (9)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Chin, Stephen	
ASSISTANT EXAMINER:	Maddox, Michael W.	
LEGAL REPRESENTATIVE:	Darby & Darby	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 5 Drawing Page(s)	
LINE COUNT:	696	
TI	Method and device for quantizing the input to soft decoders	

=> d 110 ibib ti

L10 ANSWER 1 OF 1 USPATFULL

ACCESSION NUMBER: 2000:41878 USPATFULL

TITLE: Method and device for quantizing the input to soft decoders

INVENTOR(S): Yellin, Daniel, Karmei Yosef, Israel

PATENT ASSIGNEE(S): DSPC Israel Ltd., Givat Shmuel, Israel (non-U.S. corporation)

NUMBER	DATE
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PATENT INFORMATION:	US 6047035	20000404
APPLICATION INFO.:	US 1998-103683	19980615 (9)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Chin, Stephen	
ASSISTANT EXAMINER:	Maddox, Michael W.	
LEGAL REPRESENTATIVE:	Darby & Darby	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 5 Drawing Page(s)	
LINE COUNT:	696	
TI	Method and device for quantizing the input to soft decoders	

=> d 113 ibib ti

L13 ANSWER 1 OF 1 USPATFULL
 ACCESSION NUMBER: 2000:41878 USPATFULL
 TITLE: Method and device for quantizing the input to soft decoders
 INVENTOR(S): Yellin, Daniel, Karmei Yosef, Israel
 PATENT ASSIGNEE(S): DSPC Israel Ltd., Givat Shmuel, Israel (non-U.S. corporation)

	NUMBER	DATE

PATENT INFORMATION:	US 6047035	20000404
APPLICATION INFO.:	US 1998-103683	19980615 (9)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Chin, Stephen	
ASSISTANT EXAMINER:	Maddox, Michael W.	
LEGAL REPRESENTATIVE:	Darby & Darby	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 5 Drawing Page(s)	
LINE COUNT:	696	
TI	Method and device for quantizing the input to soft decoders	

=> d 114 ibib ti 1-12

L14 ANSWER 1 OF 12 USPATFULL
 ACCESSION NUMBER: 2000:51527 USPATFULL
 TITLE: Communication system for broadcasting to mobile users
 INVENTOR(S): Stephens, Scott A., Manhattan Beach, CA, United States
 Smigla, Terrence R., Manhattan Beach, CA, United States
 States
 Martin, Donald R., Redondo Beach, CA, United States
 PATENT ASSIGNEE(S): TRW Docket No., Redondo Beach, CA, United States (U.S. corporation)

	NUMBER	DATE

PATENT INFORMATION:	US 6055277	20000425
APPLICATION INFO.:	US 1997-864774	19970529 (8)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Chin, Stephen	
ASSISTANT EXAMINER:	Maddox, Michael W.	
LEGAL REPRESENTATIVE:	Yatsko, Michael S.	
NUMBER OF CLAIMS:	27	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	1008	

TI Communication system for broadcasting to mobile users

L14 ANSWER 2 OF 12 USPATFULL

ACCESSION NUMBER: 2000:41878 USPATFULL

TITLE: Method and device for quantizing the input to soft decoders

INVENTOR(S): Yellin, Daniel, Karmei Yosef, Israel

PATENT ASSIGNEE(S): DSPC Israel Ltd., Givat Shmuel, Israel (non-U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 6047035	20000404
APPLICATION INFO.:	US 1998-103683	19980615 (9)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Chin, Stephen	
ASSISTANT EXAMINER:	Maddox, Michael W.	
LEGAL REPRESENTATIVE:	Darby & Darby	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 5 Drawing Page(s)	
LINE COUNT:	696	

TI Method and device for quantizing the input to soft decoders

L14 ANSWER 3 OF 12 USPATFULL

ACCESSION NUMBER: 1998:43188 USPATFULL

TITLE: Mobile terminal apparatus and method for a satellite communication system

INVENTOR(S): Fasulo, II, Albert J., Ellicott City, MD, United States

Cammarata, Denise M., Owings Mills, MD, United States
Janson, Keith W., Ellicott City, MD, United States
Anderson, Samuel S., Glen Burnie, MD, United States
Cooper, Raymond R., Baltimore, MD, United States
Stehlik, Roy, Columbia, MD, United States
PATENT ASSIGNEE(S): Westinghouse Electric Corporation, Pittsburgh, PA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5742639	19980421
APPLICATION INFO.:	US 1994=322858	19941013 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-242400, filed on 13 May 1994, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Chin, Wellington	
ASSISTANT EXAMINER:	Tran, Congvan	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 12 Drawing Page(s)	
LINE COUNT:	1326	

TI Mobile terminal apparatus and method for a satellite communication system

L14 ANSWER 4 OF 12 USPATFULL

ACCESSION NUMBER: 97:81906 USPATFULL

TITLE: High performance error control coding in channel encoders and decoders

INVENTOR(S): Ganesan, Kalyan, Germantown, MD, United States
Swaminathan, Kumar, Gathersberg, MD, United States
Gupta, Prabhat, Germantown, MD, United States
Kumar, P. Vijay, Santa Monica, CA, United States

PATENT ASSIGNEE(S): Hughes Electronics, Los Angeles, CA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5666370	19970909
APPLICATION INFO.:	US 1996-591127	19960125 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-119778, filed on 10 Sep 1993	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Elmore, Reba I.	
ASSISTANT EXAMINER:	Oakes, Brian C.	
LEGAL REPRESENTATIVE:	Whelan, John T.; Denson-Low, Wanda	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Figure(s); 13 Drawing Page(s)	
LINE COUNT:	806	
TI	High performance error control coding in channel encoders and decoders	

L14 ANSWER 5 OF 12 USPATFULL

ACCESSION NUMBER: 97:30173 USPATFULL

TITLE: Method and apparatus for coherent communication reception in a spread-spectrum communication system

INVENTOR(S): Ling, Fuyun, Hoffman Estates, IL, United States
Sexton, Thomas A., Schaumburg, IL, United States
Bruckert, Gene, Arlington Heights, IL, United States

PATENT ASSIGNEE(S): Motorola, Inc., Schaumburg, IL, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5619524	19970408
APPLICATION INFO.:	US 1995-396453	19950228 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-317501, filed on 4 Oct 1994	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Bocure, Tesfaldet	
LEGAL REPRESENTATIVE:	Sonnentag, Richard A.; Buford, Kevin A.	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Figure(s); 10 Drawing Page(s)	
LINE COUNT:	1251	
TI	Method and apparatus for coherent communication reception in a spread-spectrum communication system	

L14 ANSWER 6 OF 12 USPATFULL

ACCESSION NUMBER: 96:99900 USPATFULL

TITLE: Multi-user communication system employing spread signatures

INVENTOR(S): Wornell, Gregory W., Wellesley, MA, United States

PATENT ASSIGNEE(S): Lucent Technologies Inc., Murray Hill, NJ, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5570351	19961029
APPLICATION INFO.:	US 1994-321297	19941011 (8)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Olms, Douglas W.	
ASSISTANT EXAMINER:	Jung, Min	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	20	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	711	
TI	Multi-user communication system employing spread signatures	

L14 ANSWER 7 OF 12 USPATFULL

ACCESSION NUMBER: 96:88244 USPATFULL

TITLE: Spatial diversity processing for underwater acoustic telemetry
INVENTOR(S): Catipovic, Josko A., 20 McGregor Rd. PO Box 705, Woods Hole, MA, United States 02543
Freitag, Lee E., 86 Water St., Woods Hole, MA, United States 02543(4)

	NUMBER	DATE
PATENT INFORMATION:	US 5559757	19960924
APPLICATION INFO.:	US 1994-195965	19940209 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-41326, filed on 31 Mar 1993, now abandoned which is a continuation of Ser. No.	
DOCUMENT TYPE:	US 1991-709574, filed on 18 Dec 1991, now abandoned	
PRIMARY EXAMINER:	Utility	
NUMBER OF CLAIMS:	Pihulic, Daniel T.	
EXEMPLARY CLAIM:	18	
NUMBER OF DRAWINGS:	1	
LINE COUNT:	26 Drawing Figure(s); 13 Drawing Page(s)	
TI	1402	
	Spatial diversity processing for underwater acoustic telemetry	

L14 ANSWER 8 OF 12 USPATFULL
ACCESSION NUMBER: 96:8251 USPATFULL
TITLE: Wireless LAN
INVENTOR(S): O'Sullivan, John D., Ermington, Australia
Daniels, Graham R., Willoughby, Australia
Percival, Terence M. P., Lane Cove, Australia
Ostry, Diethelm I., Petersham, Australia
Deane, John F., Eastwood, Australia
PATENT ASSIGNEE(S): Commonwealth Scientific and Industrial Research Organization, Australia (non-U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5487069	19960123
APPLICATION INFO.:	US 1993-157375	19931123 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	AU 1992-6069	19921127
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Safourek, Benedict V.	
LEGAL REPRESENTATIVE:	Frommer, William S.	
NUMBER OF CLAIMS:	72	
EXEMPLARY CLAIM:	49	
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 8 Drawing Page(s)	
LINE COUNT:	1090	
TI	Wireless LAN	

L14 ANSWER 9 OF 12 USPATFULL
ACCESSION NUMBER: 94:29448 USPATFULL
TITLE: Multidimensional trellis-coded modulation for fading channels
INVENTOR(S): Wei, Lee-Fang, Lincroft, NJ, United States
PATENT ASSIGNEE(S): AT&T Bell Laboratories, Murray Hill, NJ, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5301209	19940405
APPLICATION INFO.:	US 1991-773828	19911009 (7)
DOCUMENT TYPE:	Utility	

PRIMARY EXAMINER: Chin, Stephen
ASSISTANT EXAMINER: Webster, Bryan
LEGAL REPRESENTATIVE: Opalach, Joseph J.
NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Figure(s); 5 Drawing Page(s)
LINE COUNT: 492
TI Multidimensional trellis-coded modulation for fading channels

L14 ANSWER 10 OF 12 USPATFULL
ACCESSION NUMBER: 93:29780 USPATFULL
TITLE: Noise-immune space diversity receiver
INVENTOR(S): Okanou, Kazuhiro, Tokyo, Japan
PATENT ASSIGNEE(S): NEC Corporation, Tokyo, Japan (non-U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5202903	19930413
APPLICATION INFO.:	US 1991-678497	19910401 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1990-83478	19900330
	JP 1990-83479	19900330
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Chin, Stephen	
LEGAL REPRESENTATIVE:	Sughrue, Mion, Zinn, Macpeak & Seas	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 9 Drawing Page(s)	
LINE COUNT:	526	
TI	Noise-immune space diversity receiver	

L14 ANSWER 11 OF 12 USPATFULL
ACCESSION NUMBER: 91:102604 USPATFULL
TITLE: Method for protecting multi-pulse coders from fading and random pattern bit errors
INVENTOR(S): Zinser, Richard L., Schenectady, NY, United States
Koch, Steven R., Waterford, NY, United States
Toy, Raymond L., Latham, NY, United States
PATENT ASSIGNEE(S): General Electric Company, Schenectady, NY, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5073940	19911217
APPLICATION INFO.:	US 1989-441022	19891124 (7)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Kemeny, Emanuel S.	
LEGAL REPRESENTATIVE:	Zale, Lawrence P.; Davis, Jr., James C.; Snyder, Marvin	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	566	
TI	Method for protecting multi-pulse coders from fading and random pattern bit errors	

L14 ANSWER 12 OF 12 USPATFULL
ACCESSION NUMBER: 91:47342 USPATFULL
TITLE: Trellis coded multilevel DPSK system with doppler correction for mobile satellite channels
INVENTOR(S): Divsalar, Dariush, Pacific Palisades, CA, United States
Simon, Marvin K., La Canada, CA, United States

PATENT ASSIGNEE(S): California Institute of Technology, Pasadena, CA,
United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5023889	19910611
APPLICATION INFO.:	US 1988-200742	19880531 (7)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Safourek, Benedict V.	
LEGAL REPRESENTATIVE:	Benman, Jr., William J.	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	15 Drawing Figure(s); 11 Drawing Page(s)	
LINE COUNT:	632	
TI	Trellis coded multilevel DPSK system with doppler correction for mobile satellite channels	

=> d 117 ibib ti

L17 ANSWER 1 OF 1 USPATFULL

ACCESSION NUMBER:	2000:41878	USPATFULL
TITLE:	Method and device for quantizing the input to soft decoders	
INVENTOR(S):	Yellin, Daniel, Karmei Yosef, Israel	
PATENT ASSIGNEE(S):	DSPC Israel Ltd., Givat Shmuel, Israel (non-U.S. corporation)	

	NUMBER	DATE
PATENT INFORMATION:	US 6047035	20000404
APPLICATION INFO.:	US 1998-103683	19980615 (9)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Chin, Stephen	
ASSISTANT EXAMINER:	Maddox, Michael W.	
LEGAL REPRESENTATIVE:	Darby & Darby	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 5 Drawing Page(s)	
LINE COUNT:	696	
TI	Method and device for quantizing the input to soft decoders	

=> d 116 ibib ti 1-16

L16 ANSWER 1 OF 16 USPATFULL

ACCESSION NUMBER:	2000:41878	USPATFULL
TITLE:	Method and device for quantizing the input to soft decoders	
INVENTOR(S):	Yellin, Daniel, Karmei Yosef, Israel	
PATENT ASSIGNEE(S):	DSPC Israel Ltd., Givat Shmuel, Israel (non-U.S. corporation)	

	NUMBER	DATE
PATENT INFORMATION:	US 6047035	20000404
APPLICATION INFO.:	US 1998-103683	19980615 (9)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Chin, Stephen	
ASSISTANT EXAMINER:	Maddox, Michael W.	
LEGAL REPRESENTATIVE:	Darby & Darby	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	

NUMBER OF DRAWINGS: 10 Drawing Figure(s); 5 Drawing Page(s)
LINE COUNT: 96
TI Method and device for quantizing the input to soft decoders

L16 ANSWER 2 OF 16 USPATFULL

ACCESSION NUMBER: 1999:167680 USPATFULL

TITLE: Multiple modulation format television signal receiver system

INVENTOR(S): Strolle, Christopher H., Montgomery, PA, United States
Jaffe, Steven T., Monmouth, NJ, United States

PATENT ASSIGNEE(S): Sarnoff Corporation, Princeton, NJ, United States
(U.S.

corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 6005640	19991221
APPLICATION INFO.:	US 1996-721867	19960927 (8)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Faile, Andrew I.	
ASSISTANT EXAMINER:	Le, Uyen	
LEGAL REPRESENTATIVE:	Burke, William J.	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 9 Drawing Page(s)	
LINE COUNT:	962	
TI	Multiple modulation format television signal receiver system	

L16 ANSWER 3 OF 16 USPATFULL

ACCESSION NUMBER: 1999:82695 USPATFULL

TITLE: Device, system, and method for modem communication utilizing two-step mapping

INVENTOR(S): Long, Guozhu, Raleigh, NC, United States

PATENT ASSIGNEE(S): Cirrus Logic, Inc., Fremont, CA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5926505	19990720
APPLICATION INFO.:	US 1996-731500	19961016 (8)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Ghebretinsae, Temesghen	
LEGAL REPRESENTATIVE:	Violette, J. P.; Sabath, Robert P.	
NUMBER OF CLAIMS:	2	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Figure(s); 11 Drawing Page(s)	
LINE COUNT:	733	
TI	Device, system, and method for modem communication utilizing two-step mapping	

L16 ANSWER 4 OF 16 USPATFULL

ACCESSION NUMBER: 1998:155389 USPATFULL

TITLE: Receiver decoder circuitry, and associated method, for decoding an encoded signal

INVENTOR(S): Khayrallah, Ali S., Apex, NC, United States

PATENT ASSIGNEE(S): Ericsson, Inc., Research Triangle Park, NC, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5848106	19981208
APPLICATION INFO.:	US 1996-767542	19961216 (8)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Chin, Stephen	
ASSISTANT EXAMINER:	Deppe, Betsy L.	

LEGAL REPRESENTATIVE: Tenkens & Gilchrist, a Professional Corporation
NUMBER OF CLAIMS: 2
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 630
TI Receiver decoder circuitry, and associated method, for decoding an encoded signal

L16 ANSWER 5 OF 16 USPATFULL

ACCESSION NUMBER: 1998:43225 USPATFULL
TITLE: Optimized simultaneous audio and data transmission using QADM with phase randomization
INVENTOR(S): Olafsson, Sverrir, Seltjarnarnes, Iceland
PATENT ASSIGNEE(S): Rockwell International Corporation, Newport Beach, CA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5742679	19980421
APPLICATION INFO.:	US 1996-699269	19960819 (8)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Cain, David C.	
LEGAL REPRESENTATIVE:	Cray, William C.; Yu, Philip K.	
NUMBER OF CLAIMS:	24	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 9 Drawing Page(s)	
LINE COUNT:	397	
TI	Optimized simultaneous audio and data transmission using QADM with phase randomization	

L16 ANSWER 6 OF 16 USPATFULL

ACCESSION NUMBER: 1998:43192 USPATFULL
TITLE: Quantizing and decoding of phase-amplitude modulated signals in hexagonal code
INVENTOR(S): Reeves, Philip J., Burlington, NJ, United States
Wouk, Harald A., Franklin Park, NJ, United States
PATENT ASSIGNEE(S): Mikros Systems Corporation, Princeton, NJ, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5742643	19980421
APPLICATION INFO.:	US 1994-344344	19941122 (8)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Chin, Stephen	
ASSISTANT EXAMINER:	Vo, Don	
LEGAL REPRESENTATIVE:	Brumbaugh, Graves, Donohue & Raymond	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 7 Drawing Page(s)	
LINE COUNT:	386	
TI	Quantizing and decoding of phase-amplitude modulated signals in hexagonal code	

L16 ANSWER 7 OF 16 USPATFULL

ACCESSION NUMBER: 95:53083 USPATFULL
TITLE: Television transmission system using spread spectrum and orthogonal frequency-division multiplex
INVENTOR(S): Schreiber, William F., Cambridge, MA, United States
Polley, Michael O., Belmont, MA, United States
PATENT ASSIGNEE(S): Massachusetts Institute of Technology, Cambridge, MA, United States (U.S. corporation)

NUMBER	DATE
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PATENT INFORMATION: US 5425050 19950613
 APPLICATION INFO.: US 1993-149264 19931109 (8)
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1992-965227, filed
 on 23 Oct 1992, now patented, Pat. No. US 5311543
 DOCUMENT TYPE: Utility
 PRIMARY EXAMINER: Cain, David C.
 LEGAL REPRESENTATIVE: Fish & Richardson
 NUMBER OF CLAIMS: 53
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 14 Drawing Figure(s); 11 Drawing Page(s)
 LINE COUNT: 1346
 TI Television transmission system using spread spectrum and orthogonal
 frequency-division multiplex

L16 ANSWER 8 OF 16 USPATFULL

ACCESSION NUMBER: 95:48481 USPATFULL
 TITLE: Decoding using a linear metric and interference
 estimation
 INVENTOR(S): Juntti, Juhani, Puuppola, Finland
 PATENT ASSIGNEE(S): Nokia Mobile Phones Ltd., Salo, Finland (non-U.S.
 corporation).

	NUMBER	DATE
PATENT INFORMATION:	US 5420889	19950530
APPLICATION INFO.:	US 1993-109324	19930819 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	FI 1992-3739	19920820
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Chin, Stephen	
ASSISTANT EXAMINER:	Vo, Don N.	
LEGAL REPRESENTATIVE:	Perman & Green	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	429	
TI	Decoding using a linear metric and interference estimation	

L16 ANSWER 9 OF 16 USPATFULL

ACCESSION NUMBER: 94:40860 USPATFULL
 TITLE: Television transmission system using two stages of
 spread-spectrum processing
 INVENTOR(S): Schreiber, William F., No. 8 Ellery Sq., Cambridge,
 MA,
 United States 02138

	NUMBER	DATE
PATENT INFORMATION:	US 5311543	19940510
APPLICATION INFO.:	US 1992-965227	19921023 (7)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Cain, David C.	
LEGAL REPRESENTATIVE:	Fish & Richardson	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 7 Drawing Page(s)	
LINE COUNT:	750	
TI	Television transmission system using two stages of spread-spectrum processing	

L16 ANSWER 10 OF 16 USPATFULL

ACCESSION NUMBER: 93:7578 USPATFULL

TITLE: Receiver for recovering data in a forward and reverse direction in time
INVENTOR(S): Kazecki, Henry L., Arlington Heights, IL, United States
PATENT ASSIGNEE(S): Baker, James C., Hanover Park, IL, United States
Motorola, Inc., Schaumburg, IL, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5182749	19930126
APPLICATION INFO.:	US 1990-633556	19901221 (7)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Olms, Douglas W.	
ASSISTANT EXAMINER:	Hom, Shick	
LEGAL REPRESENTATIVE:	Kaschke, Kevin D.; Jenski, Raymond A.; Fisher, John A.	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 5 Drawing Page(s)	
LINE COUNT:	520	
TI	Receiver for recovering data in a forward and reverse direction in time	

L16 ANSWER 11 OF 16 USPATFULL

ACCESSION NUMBER: 89:57012 USPATFULL
TITLE: Phase jitter compensation arrangement using an adaptive IIR filter
INVENTOR(S): Cupo, Robert L., Eatontown, NJ, United States
PATENT ASSIGNEE(S): American Telephone and Telegraph Company, New York, NY,
United States (U.S. corporation)
AT&T Information Systems Inc., Morristown, NJ, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 4847864	19890711
APPLICATION INFO.:	US 1988-209801	19880622 (7)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Safourek, Benedict V.	
LEGAL REPRESENTATIVE:	Luludis, Frederick B.	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 6 Drawing Page(s)	
LINE COUNT:	569	
TI	Phase jitter compensation arrangement using an adaptive IIR filter	

L16 ANSWER 12 OF 16 USPATFULL

ACCESSION NUMBER: 86:72120 USPATFULL
TITLE: Data transmission with block coding
INVENTOR(S): Longstaff, Fred M., Islington, Canada
Lang, Gordon R., Bolton, Canada
PATENT ASSIGNEE(S): Motorola Canada Limited, North York, Canada (non-U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 4630288	19861216
APPLICATION INFO.:	US 1984-584235	19840227 (6)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1983-563976, filed on 21 Dec 1983	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Griffin, Robert L.	
ASSISTANT EXAMINER:	Glenny, Raymond C.	
LEGAL REPRESENTATIVE:	Westell & Hanley	

NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 1720
TI Data transmission with block coding

L16 ANSWER 13 OF 16 USPATFULL

ACCESSION NUMBER: 85:46573 USPATFULL
TITLE: Method and apparatus for coding a binary signal
INVENTOR(S): Thapar, Hemant K., Marlboro, NJ, United States
PATENT ASSIGNEE(S): AT&T Information Systems, Holmdel, NJ, United States
(U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 4534040	19850806
APPLICATION INFO.:	US 1983-455502	19830104 (6)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Krass, Errol A.	
ASSISTANT EXAMINER:	Black, Thomas G.	
LEGAL REPRESENTATIVE:	Freedman, Barry H.; Slusky, Ronald D.	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 4 Drawing Page(s)	
LINE COUNT:	571	
TI	Method and apparatus for coding a binary signal	

L16 ANSWER 14 OF 16 USPATFULL

ACCESSION NUMBER: 80:64851 USPATFULL
TITLE: Hard limiting acquisition technique for PSK carrier detector
INVENTOR(S): Snell, James L., Palm Bay, FL, United States
Cobb, Raymond F., Melbourne Beach, FL, United States
PATENT ASSIGNEE(S): Harris Corporation, Cleveland, OH, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 4241454	19801223
APPLICATION INFO.:	US 1978-882068	19780228 (5)
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Buczinski, Stephen C.	
LEGAL REPRESENTATIVE:	Craig & Antonelli	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	420	
TI	Hard limiting acquisition technique for PSK carrier detector	

L16 ANSWER 15 OF 16 USPATFULL

ACCESSION NUMBER: 75:51518 USPATFULL
TITLE: Signal processing system
INVENTOR(S): Bussgang, Julian J., Lexington, MA, United States
Gish, Herbert, Lexington, MA, United States
PATENT ASSIGNEE(S): Signatron, Inc., Lexington, MA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 3909721	19750930
APPLICATION INFO.:	US 1974-446782	19740228 (5)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1972-222193, filed on 31 Jan 1972, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Safourek, Benedict V.	

LEGAL REPRESENTATIVE: O'Connell, Robert F.
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 14
NUMBER OF DRAWINGS: 18 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 1275
TI Signal processing system

L16 ANSWER 16 OF 16 USPATFULL

ACCESSION NUMBER: 71:9061 USPATFULL
TITLE: BAND-COMPRESSED SIGNAL TRANSMISSION SYSTEM
INVENTOR(S): Shimamura, Tadao, Tokyo, Japan
PATENT ASSIGNEE(S): Nippon Electric Company, Limited, Tokyo, Japan

	NUMBER	DATE
PATENT INFORMATION:	US 3573364	19710406
APPLICATION INFO.:	US 1969-847632	19690805 (4)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1968-55807	19680808
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Griffin, Robert L.	
ASSISTANT EXAMINER:	Eckert, Jr., Richard K.	
LEGAL REPRESENTATIVE:	Marn and Jangarathis	
NUMBER OF CLAIMS:	15	
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	540	
TI	BAND-COMPRESSED SIGNAL TRANSMISSION SYSTEM	